

Title (en)  
CHUCK FOR MACHINE TOOLS

Publication  
**EP 0528155 A3 19930728 (DE)**

Application  
**EP 92111323 A 19920703**

Priority  
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Abstract (en)  
[origin: EP0528155A2] A hydraulic piston (6) having fastening bolts (5) attached to it is provided in the basic chuck (1) and is movable axially to the rotational axis of the machine tool. The spring-actuated fastening chuck (13) is fastened in an axially displaceable manner to the end of the fastening bolt (5). Hydraulic pistons (10) having forcing bolts (9) attached to them are likewise provided in the basic chuck, one piston side of which hydraulic pistons (10) is connected together with one side of the piston (6) of the fastening bolt (5). By hydraulic pressing of the two pistons (6, 10) against one another, the clamping part of the fastening chuck (13) is pressed against the main body and releases the workpiece (3), the fastening chuck (13) remaining axially movable. Consequently, movements between the workpiece (3) and the fastening chuck (13) do not lead to the lifting of the workpiece (3) from the centring arbor (2). <IMAGE>

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IPC 8 full level  
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CPC (source: EP)  
**B23B 31/16179** (2013.01); **B23B 31/16187** (2013.01); **B23B 33/00** (2013.01)

Citation (search report)  
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• [A] EP 0186107 A2 19860702 - FUJITSU LTD [JP]

Cited by  
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